

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08027

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> B41N1/12, G03F7/00, G03F7/004

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> B41N1/12, G03F7/00, G03F7/004

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2003

Kokai Jitsuyo Shinan Koho 1971-2003 Toroku Jitsuyo Shinan Koho 1994-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                | Relevant to claim No. |
|-----------|---|-----------------------|
| A         | JP 2000-155418 A (Asahi Chemical Industry Co., Ltd.),<br>06 June, 2000 (06.06.00),<br>Full text<br>(Family: none) | 1-13                  |
| A         | JP 11-338139 A (Toyobo Co., Ltd.),<br>10 December, 1999 (10.12.99),<br>Full text<br>(Family: none)                | 1-13                  |
| A         | EP 1215044 A (E. I. DUPONT DE NEMOURS AND CO.),<br>19 June, 2002 (19.06.02),<br>Full text<br>& JP 2002-244289 A   | 1-13                  |

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search  
17 July, 2003 (17.07.03)Date of mailing of the international search report  
29 July, 2003 (29.07.03)Name and mailing address of the ISA/  
Japanese Patent Office

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